



Radial Freeway

Strategic Improvement Program





I-75 North

Corridor Resource Guide

Radial Freeway Strategic Improvement Plan

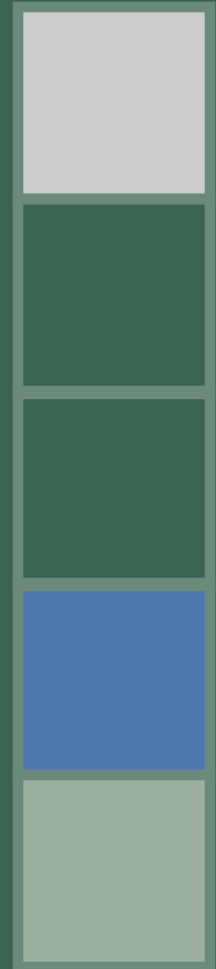
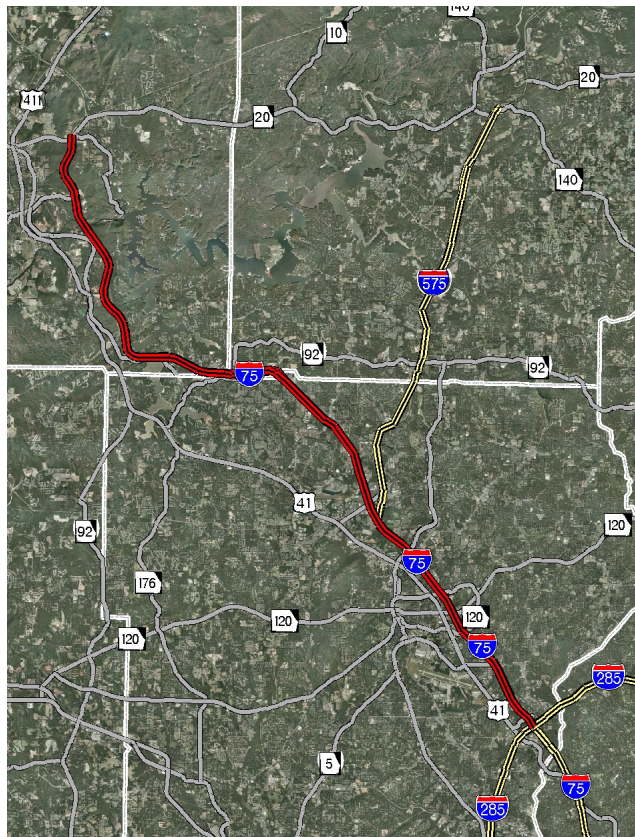
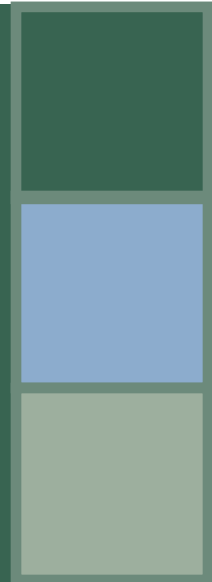




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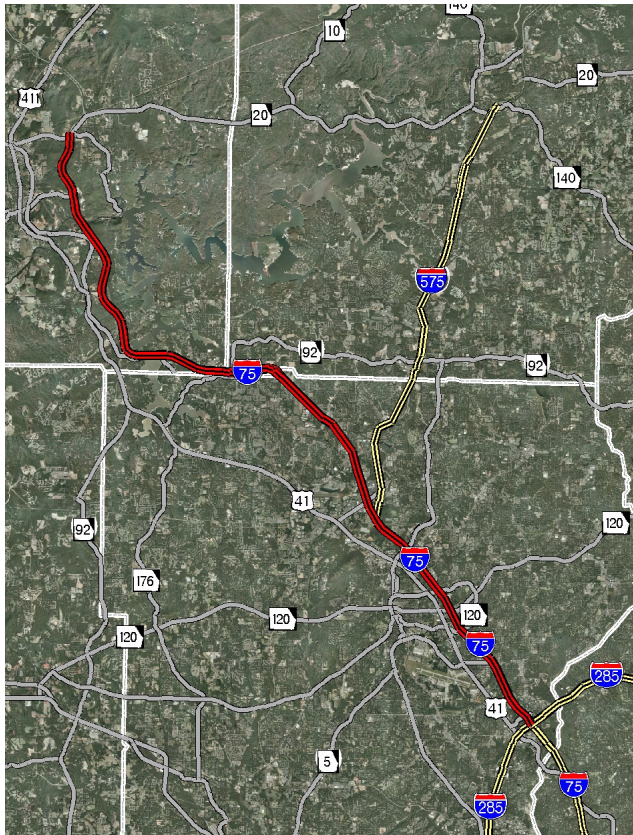
- Introduction
- Corridor Overview
- *Envision6* RTP -
Programmed and
Planned Projects





Radial Freeway
Strategic Improvement Plan

Introduction



This Corridor Resource Guide documents the current (2007) and forecast (2030) travel conditions along I-75 from I-285 to SR 20. The Guide also provides detail on planned and programmed projects that are included in the Atlanta Region's *Envision6* RTP along this section of I-75.



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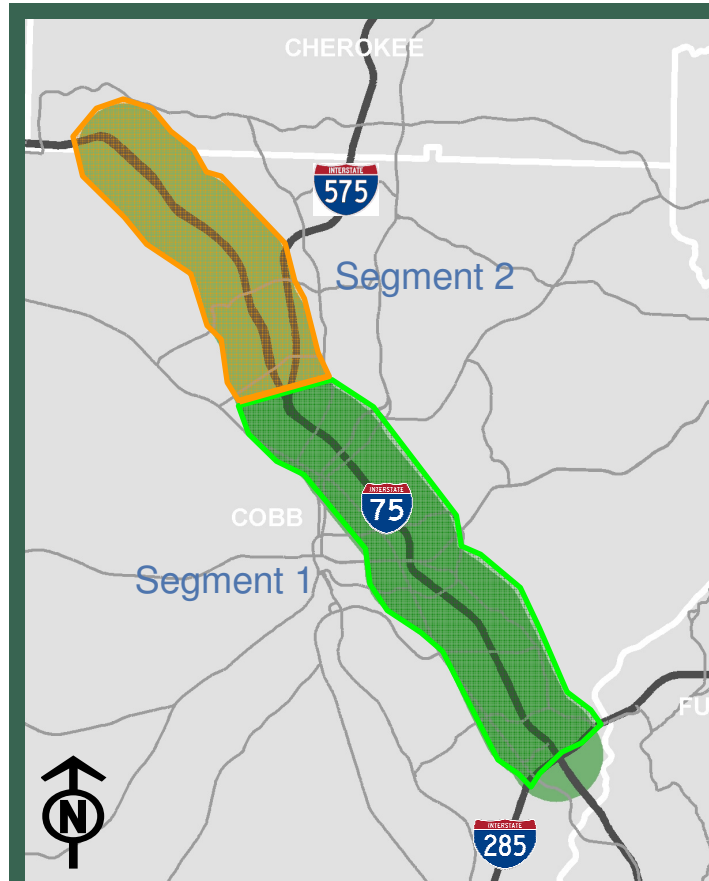
Corridor Overview

Segment 1: From I-285 to I-575

Length = 10 miles
Average Interchange Spacing = 1.67
5-6 GP Lanes, No HOV lane
Parallel Corridors: US 41

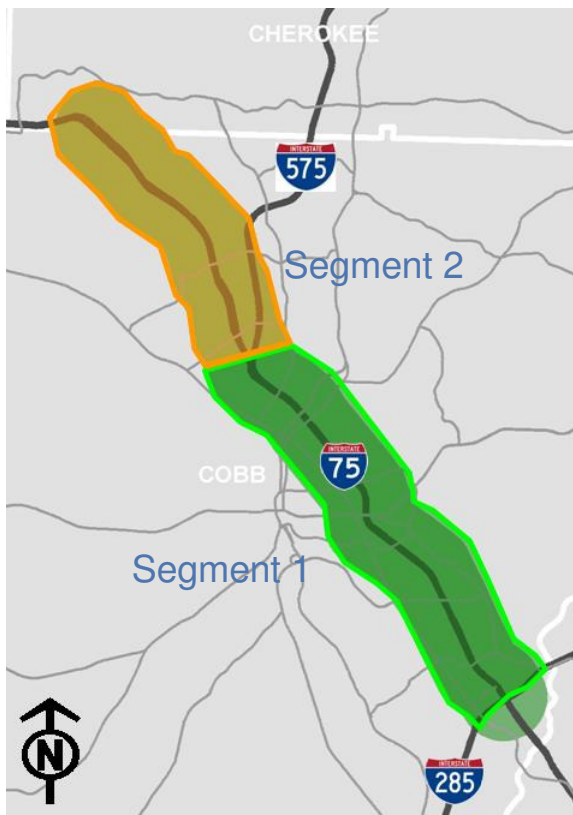
Segment 2: From I-575 to Wade Green Rd

Length = 5 miles
Average Interchange Spacing = 1.67
3 GP Lanes, No HOV lane
Parallel Corridors: US 41, SR 293



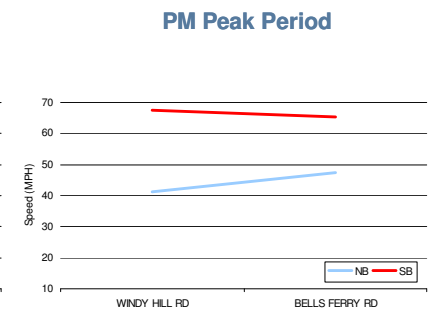
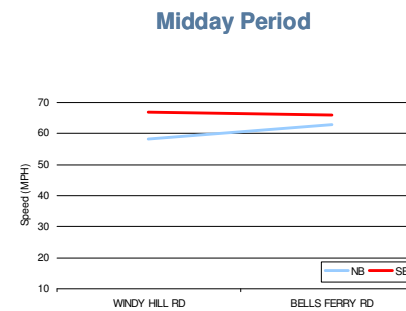
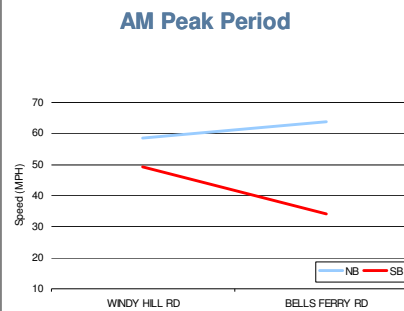


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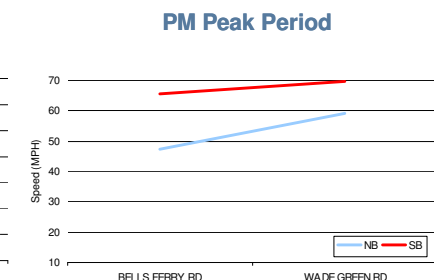
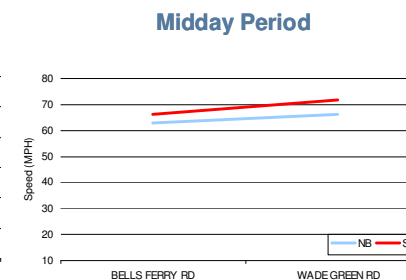
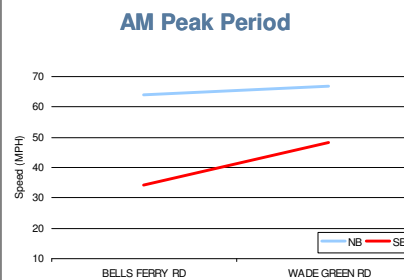


TRAVEL SPEED ¹

Segment 1



Segment 2

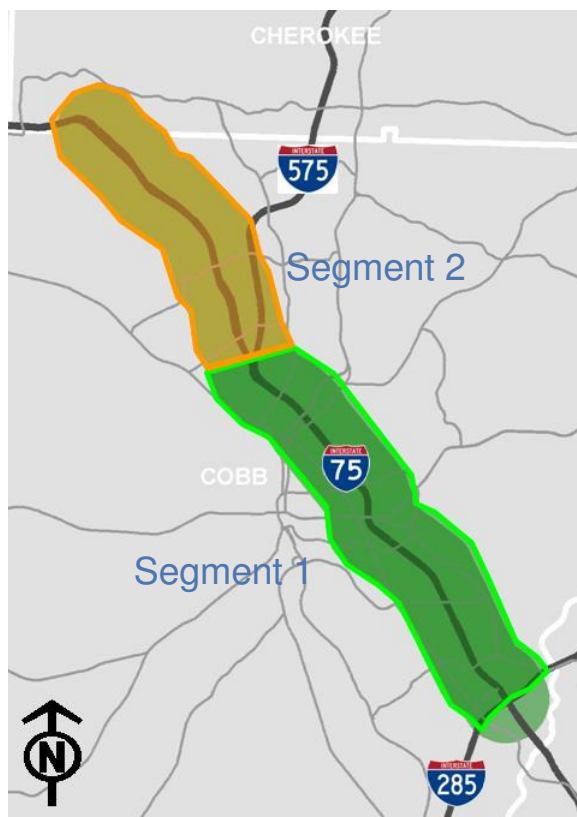


AM Period = 7:00 AM to 10:00 AM
Midday Period = 10:00 AM to 3:00 PM
PM Period = 3:00 PM to 7:00 PM

¹ – Based on TMC Data



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	TRAVEL TIME INDEX (TTI)	DURATION OF CONGESTION	VOLUME/ CAPACITY (V/C) RATIO
Segment 1	■ 2005 TTI = 3.03 ■ 2030 TTI = 3.58 ■ Percent Increase = 18% <i>CMTF Target TTI = 1.35</i>	■ 2005 Daily Congestion = 5.60 hours ■ 2030 Daily Congestion = 7.48 hours ■ Percent Increase = 34%	■ 2005 V/C Ratio = 1.05 ■ 2030 V/C Ratio = 1.06 ■ Percent Increase = 1%
Segment 2	■ 2005 TTI = 2.58 ■ 2030 TTI = 3.42 ■ Percent Increase 33% <i>CMTF Target TTI = 1.35</i>	■ 2005 Daily Congestion = 3.82 hours ■ 2030 Daily Congestion = 5.89 hours ■ Percent Increase = 54%	■ 2005 V/C Ratio = 1.00 ■ 2030 V/C Ratio = 1.08 ■ Percent Increase = 8%
	TTI = Congested Travel Time / Free Flow Travel Time Congestion Management Task Force (CMTF) Target TTI = 1.35		
	Duration of congestion represents the amount of time transportation networks are congested Daily Congestion = Number of Congested Hours (Above an "Acceptable" V/C of 0.90)		
	1 – Based on Model Data (Envision 6)		



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Programmed and Planned Project Types

Envision6 Project Types



- Roadway Operational Upgrades
- Roadway Maintenance / Operations
- ITS-Smart Corridor
- General Purpose Roadway Capacity
- **Managed Lanes - Auto/Bus and Truck***
- **Transit Facilities***
- Bridge Capacity
- Bridge Upgrade
- Interchange Capacity
- **Interchange Upgrade***
- Fixed Guideway Transit Capital
- **Studies***

*Project types for I-75 N



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Envision6 Programmed and Planned Projects

Segment 1: From I-285 to I-575

Interchange Improvement

- I-75 at Windy Hill Rd

Transit Facilities

- Galleria Park & Ride

Segment 2: From I-575 to Wade Green Rd

Transit Facilities

- Xpress Bus Service Park & Ride at Town Center Mall

Corridor Wide

Studies

- I-75 & I-575 Corridor

Managed Lanes (Truck)

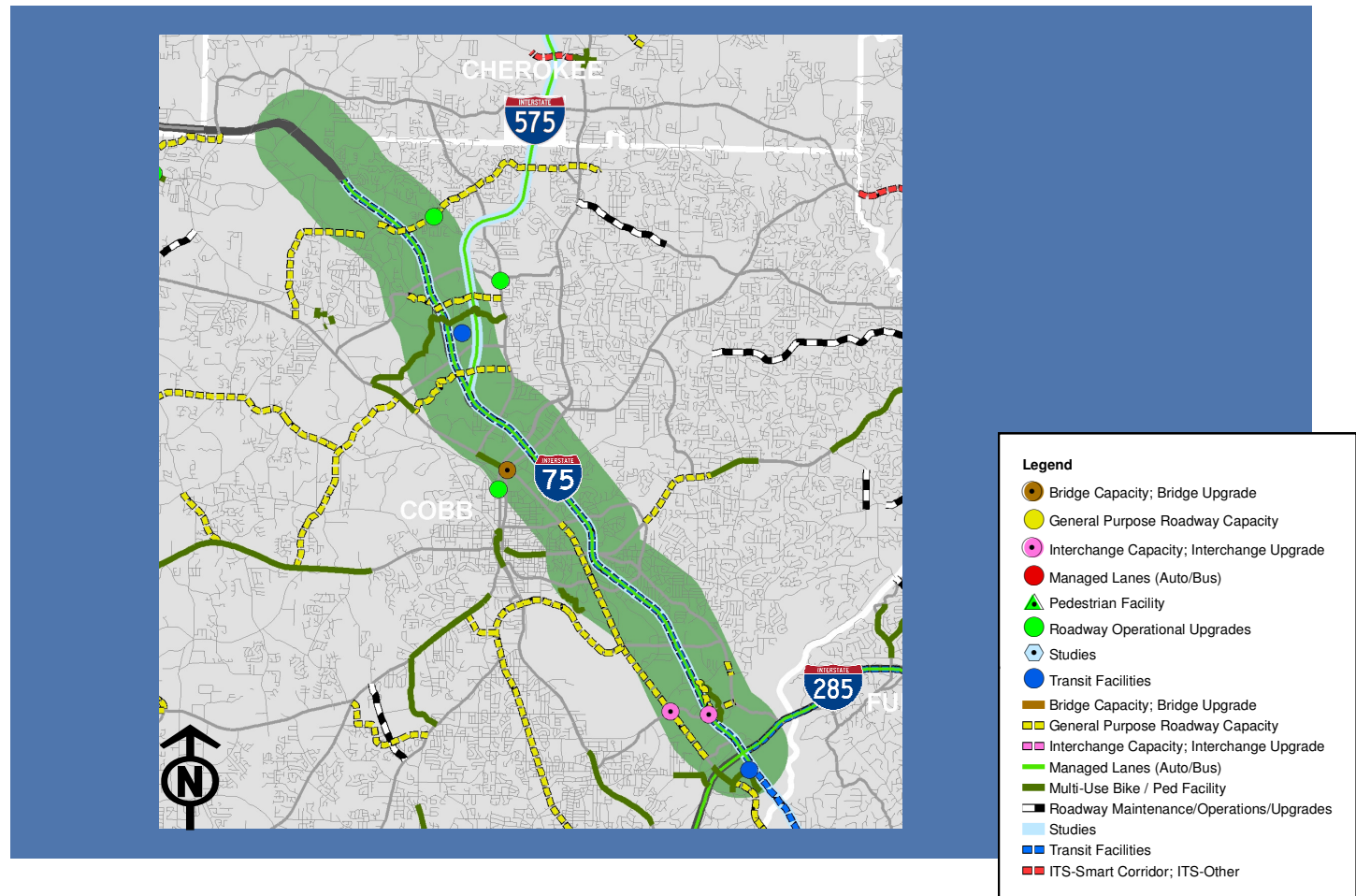
- I-285 to Hickory Grove Rd

Managed Lanes (Auto)

- Akers Mill Rd to Hickory Grove

Transit Facilities

- Arts Center to Hickory Grove Rd





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Envision6 Programmed and Planned Projects

I-75 & I-575 Northwest Corridor

ARC ID – AR-930A,B,C & E

Type – Studies

Status – Programmed

Phase – Preliminary Engineering

Fiscal Year – 2008

Total Phase Cost

\$12,775,000

I-75 & I-575 Northwest Corridor

ARC ID – AR-930A,B,C & E

Type – Studies

Status – Programmed

Phase – Preliminary Engineering

Fiscal Year – 2009

Total Phase Cost

\$5,475,000

Project Summary

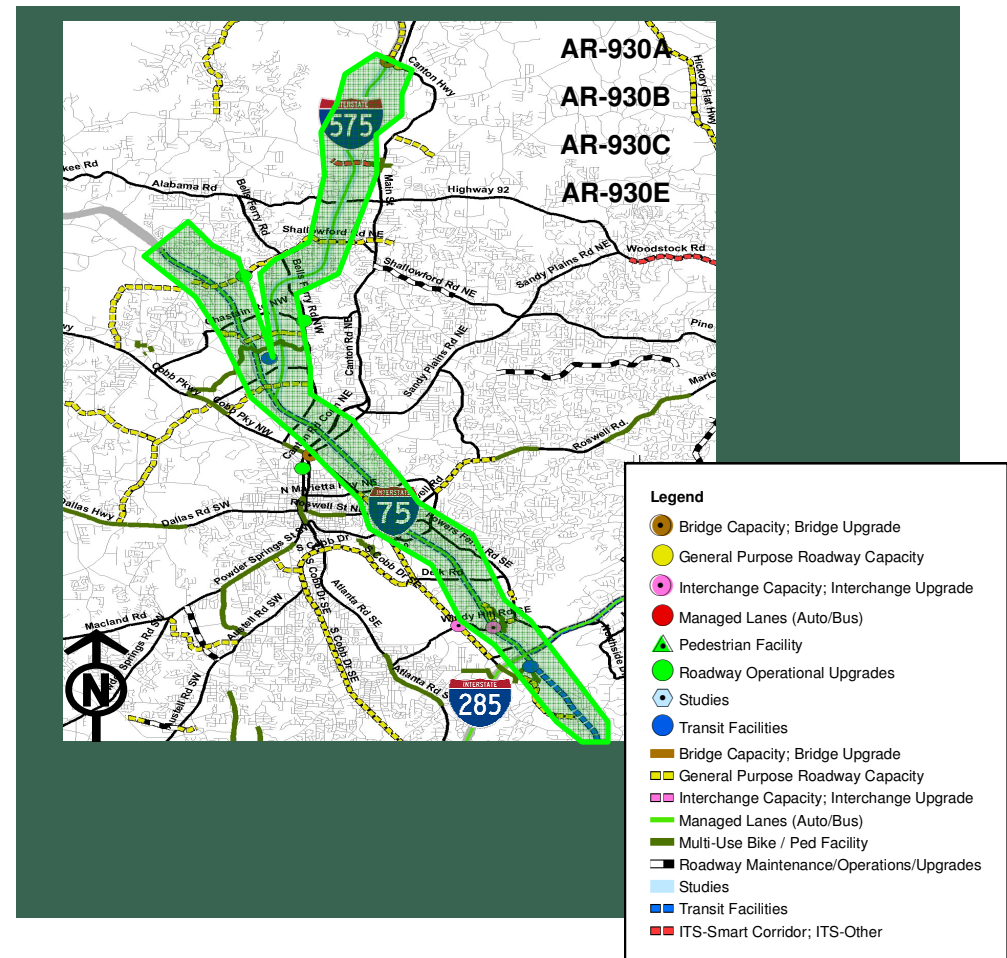
Congressional District 5, 6, 11 & 13

Sponsor - GDOT

Jurisdiction – Multi-Jurisdictional

Total Project Cost

\$18,250,000





Radial Freeway
Strategic Improvement Plan

Envision6 Programmed and Planned Projects

BRT on I-75 from MARTA Arts Center to Hickory Grove Road

ARC ID – AR-931A,B,E

Type – Transit Facilities

Status – Programmed

Phase – Right-of-Way

Fiscal Years – 2009-2011

Total Phase Cost

\$45,323,501

BRT on I-75 from MARTA Arts Center to Hickory Grove Road

ARC ID – AR-931A,B,E

Type – Transit Facilities

Status – Programmed

Phase – Construction

Fiscal Years – 2008, 2009, 2013 /

LR 2014-2020

Total Phase Cost

\$321,748,500

Project Summary

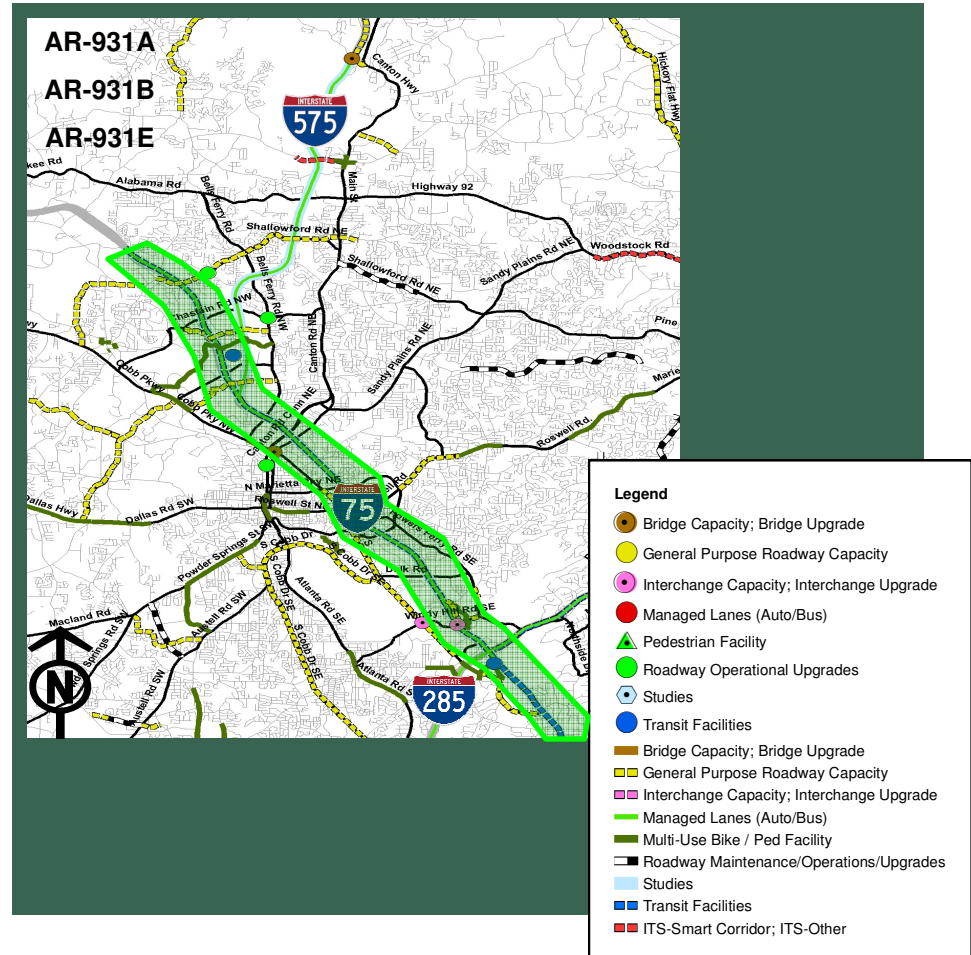
Congressional Districts 5, 6, 11 & 13

Sponsor – GDOT

Jurisdiction – Multi-Jurisdictional

Total Project Cost

\$367,072,001





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Envision6 Programmed and Planned Projects

I-75 from I-285 to Hickory Grove Road

ARC ID – AR-932A,B,C,D

Type – Managed Lanes (Truck)

Status – Programmed

Phase – Right-of-Way

Fiscal Years – 2009-2011

Total Phase Cost

\$125,904,000

I-75 from I-285 to Hickory Grove Road

ARC ID – AR-932A,B,C,D

Type – Managed Lanes (Truck)

Status – Programmed

Phase – Construction

Fiscal Years – 2008 – 2013 / LR
2014-2020

Total Phase Cost

\$943,095,996

Project Summary

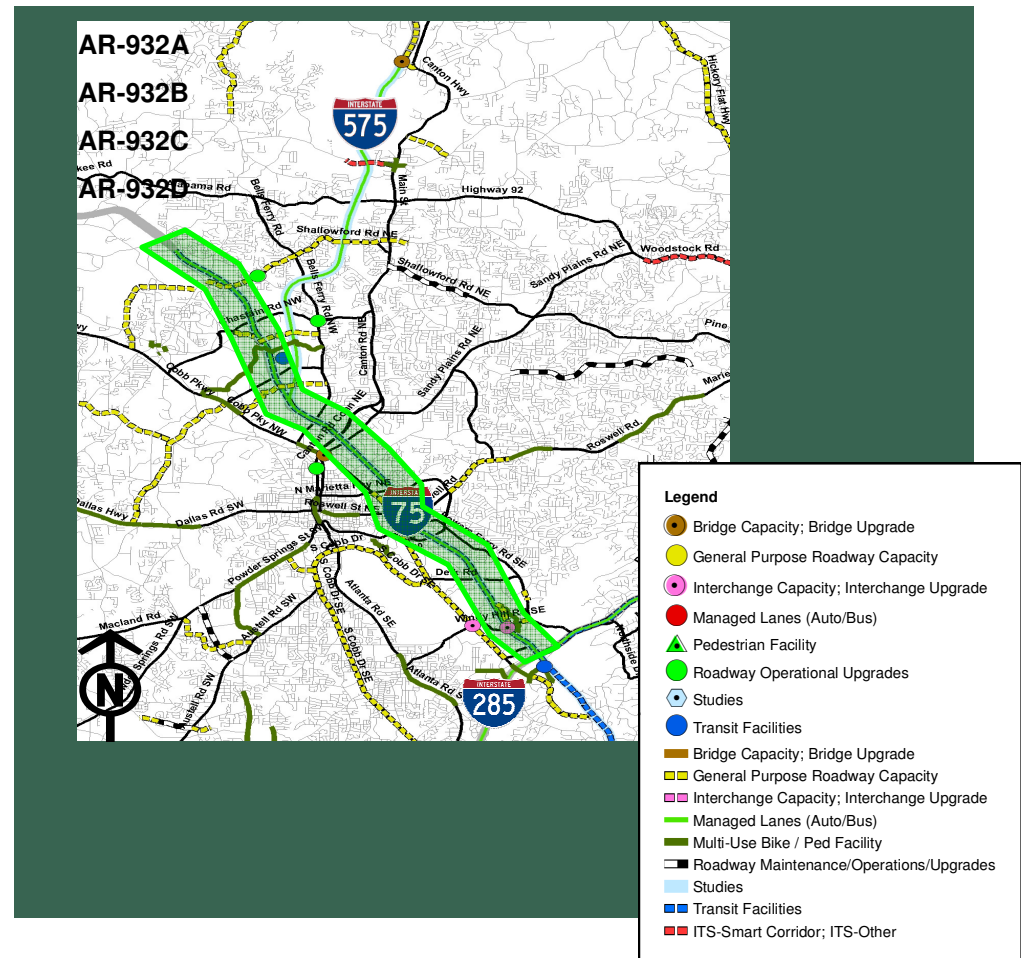
Congressional Districts 6, 11 & 13

Sponsor – GDOT

Jurisdiction – Multi-Jurisdictional

Total Project Cost

\$1,068,999,996





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I-75 from Akers Mill Road to Hickory Grove Road

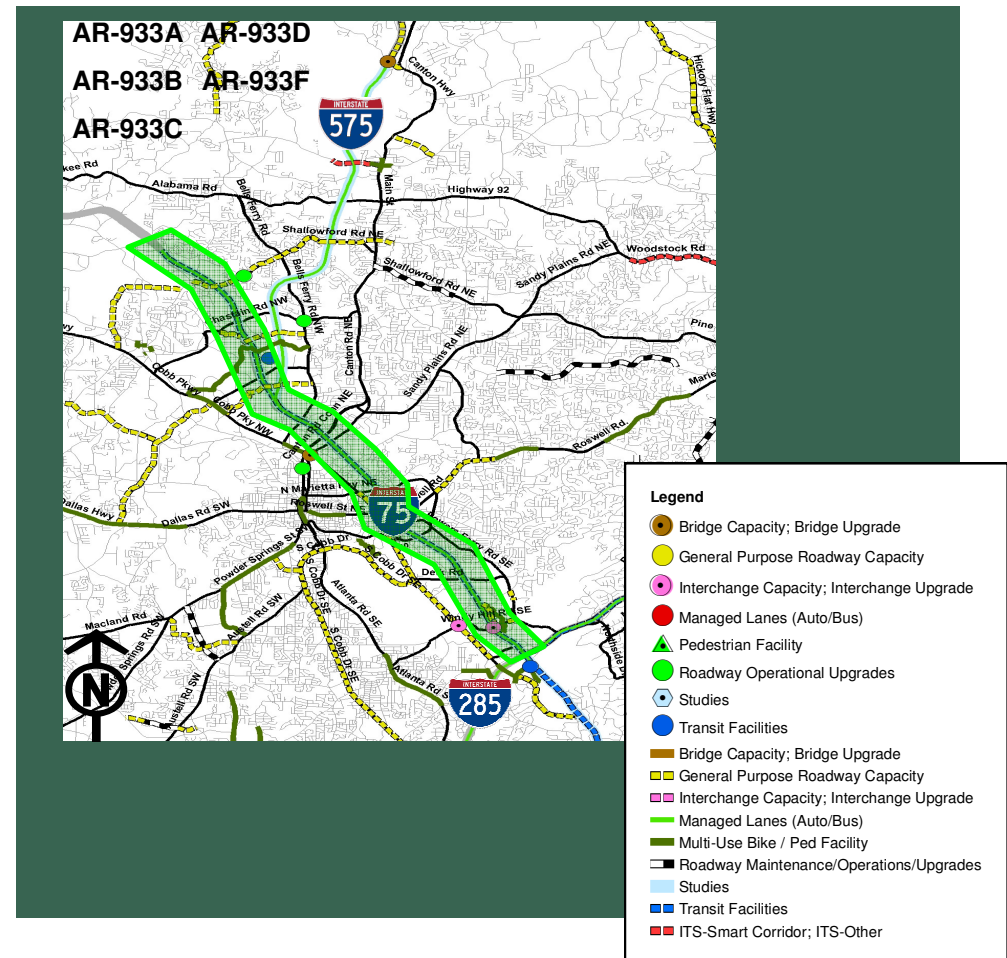
ARC ID – AR-933A,B,C,D,F
Type – Managed Lanes (Auto)
Status – Programmed
Phase – Right-of-Way
Fiscal Years – 2009-2011
Total Phase Cost
\$177,510,000

I-75 from Akers Mill Road to Hickory Grove Road

ARC ID – AR-933A,B,C,D,F
Type – Managed Lanes (Auto)
Status – Programmed
Phase – Construction
Fiscal Years – 2008-2013 / LR 2014-2020
Total Phase Cost
\$1,284,490,002

Project Summary

Congressional Districts 6,11 & 13
Sponsor – GDOT
Jurisdiction – Cobb
Total Project Cost
\$1,462,000,002





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Envision6 Programmed and Planned Projects

I-75 Interchange at Windy Hill Road

ARC ID – AR-934A,G
Type – Interchange Improvements
Status- Programmed
Phase – Right-of-Way
Fiscal Year – 2009 & 2010
Total Phase Cost
\$15,000,000

I-75 Interchange at Windy Hill Road

ARC ID – AR-934A,G
Type – Interchange Improvements
Status – Long Range
Phase – Construction
Fiscal Year – 2009-2012
Total Phase Cost
\$33,000,000

Project Summary

Congressional Districts 6 & 13
Sponsor – GDOT
Jurisdiction - Cobb
Total Project Cost
\$48,000,000





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Envision6 Programmed and Planned Projects

Park & Ride Lot Along Cobb Galleria Parkway

ARC ID –CO-AR-303

Type – Transit Facilities

Status- Programmed

Phase – Construction

Fiscal Year – 2008

Total Phase Cost

\$20,000,000

Project Summary

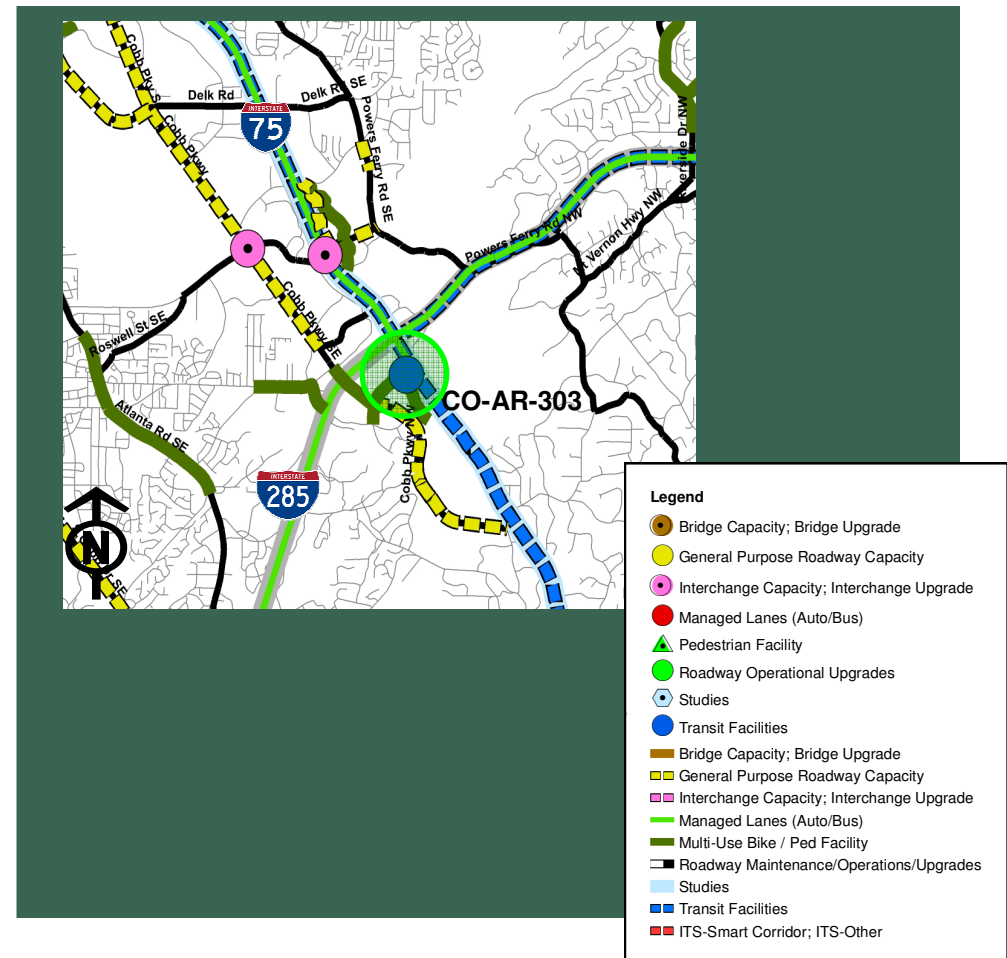
Congressional District 6

Sponsor – GRTA

Jurisdiction – Cobb

Total Project Cost

\$20,000,000





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Envision6 Programmed and Planned Projects

Park & Ride Facilities near Town Center Mall

ARC ID –AR-604

Type – Transit Facilities

Status- Programmed

Phase – Construction

Fiscal Year – 2009

Total Phase Cost

\$6,000,000

Project Summary

Congressional District 11

Sponsor – GRTA

Jurisdiction – Cobb

Total Project Cost

\$6,000,000





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Funding Sources

Envision6 Project Funding Sources For I-75 North

Federal

\$668,512,001 (17.2%)

State

\$75,360,001 (1.9%)

Local

\$17,000,000 (.4%)

Bond

\$3,128,377,996 (80.4%)

Total Corridor Investment

\$3,889,249,998

